



Astrophysics Division
NASA Headquarters



Exoplanet Exploration Program

Exoplanet Exploration Program Current Opportunities

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Exoplanet Direct-Imaging STDs



Exoplanet Exploration Program

NASA's Exoplanet Exploration Program (ExEP) is establishing Science and Technology Definition Teams (STDs) to study concepts for a potential future reduced-scale (total mission cost <\$1B) strategic exoplanet direct imaging mission.

- STDs will explore potential probe-class implementations involving (1) an internal coronagraph, and (2) an external occulter (starshade).
- Goal will be to establish science requirements, investigation approaches, key mission parameters, and to develop a credible and implementable design reference mission concept.
- Now soliciting applications from U.S. scientists who would like to participate in one of the two Exoplanet STDs.
 - *Additional information and instructions for applying can be found on the ExEP web site: <http://exep.jpl.nasa.gov>.*
 - ***Deadline for applications: 15 February 2013***
- A third study may be conducted to consider probe-class mission concepts based on indirect detection techniques that require no new technology; decision deferred until the budgetary and programmatic landscape of the program is clarified.



ExoPAG Executive Committee



Currently soliciting nominations for then Executive Committee of the Exoplanet Exploration Program Analysis Group (ExoPAG).

- ExoPAG Chair and Executive Committee are responsible for capturing and organizing community input, overseeing ExoPAG analyses, reporting ExoPAG findings and inputs to the Astrophysics Subcommittee, and keeping the scientific community apprised of ongoing activities and opportunities within NASA's ExEP.
- In the coming months, NASA anticipates making two new appointments to the ExoPAG Executive Committee; appointments will be for a period of 3 years.
- Detailed information about the structure and function of the ExoPAG can be found on the Web at <http://exep.jpl.nasa.gov/exopag>.
- Nominations for the ExoPAG Executive Committee, consisting of both a cover letter and a one-page CV summarizing the nominee's relevant background, should be submitted via email to the address: Douglas.M.Hudgins@nasa.gov.
- Deadline for receipt of nominations is 3 February 2013, with announcement of selections anticipated in March 2013.



Exoplanet Exploration SR&T



Exoplanet Exploration Program

Open solicitations for the support of exoplanet exploration strategic research and technology development:

- Astrophysics Research & Analysis (APRA) program.
 - *Exoplanet Exploration supporting technology element supports development of technologies in the Technology Readiness Level (TRL) 1—3 range*
 - *Deadline for proposals: **22 March 2013***
- Technology Development for Exoplanet Missions (TDEM) element of the Strategic Astrophysics Technology (SAT) program.
 - *SAT/TDEM supports the maturation of technologies for Exoplanet Exploration missions in the rang from TRL 3—6.*
 - *Areas of emphasis includes starlight suppression technologies, wavefront sensing and control technologies, and system performance modeling and assessment.*
 - *Deadline for proposals: **22 March 2013***
- Origins of Solar Systems (OSS) program.
 - *OSS supports ground-based detection and characterization of explanets, and analyses of the formation and development of exoplanets and exoplanetary systems.*
 - *Deadline for proposals: **TBA (mid- to late-May 2013)***